



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI  
GOVERNOR

DAVID P. LITTELL  
COMMISSIONER

Lovell Lumber Company	)	Departmental
Oxford County	)	Findings of Fact and Order
Lovell, Maine	)	Air Emission License
A-676-71-E-M	)	

After review of the air emissions license amendment application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

## I. REGISTRATION

### A. Introduction

1. Lovell Lumber Company (Lovell) of Lovell, Maine was issued Air Emission License A-676-71-D-R on March 9, 2007, permitting the operation of emission sources associated with their Lovell, Maine sawmill and planer-mill.
2. Lovell has requested an amendment of their air emissions license to include the permanent removal of two diesel units from the facility's current air emission license.

### B. Emission Equipment

Lovell is amending the facility's air emission license to remove the following units:

#### Fuel Burning Equipment

<u>Equipment</u>	<u>Maximum Capacity (MMBtu/hr)</u>	<u>Maximum Firing Rate</u>	<u>Fuel Type, % sulfur</u>	<u>Date of Manufacture</u>	<u>Stack #</u>
Diesel #1	5.5	40.4 gal/hr	Diesel, 0.05%	1998	#1
Diesel #3	5.5	40.4 gal/hr	Diesel, 0.05%	1993	#1

### C. Application Classification

The application for Lovell to remove the two diesel units will not result in a significant emissions increase of any regulated pollutant. Therefore, this application is considered a minor modification of a minor source and has been processed as such.

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## II. BEST PRACTICAL TREATMENT (BPT)

### A. Amendment Description

Lovell's current air emission license allows for the operation of three diesel generator units, designated Diesel Units #1, #2 and #3. Lovell has permanently removed Diesels #1 and #3. Lovell will continue to carry Diesel #2 in the facility's air emission License. Diesel Unit #2 was manufactured in 1993 and has a maximum heat input capacity of 1.2 MMBtu/hr firing diesel fuel with a sulfur content of no greater than 0.05% sulfur by weight. Diesel #2 exhaust to Stack #1.

Lovell's current air emission license establishes a facility wide diesel fuel use restriction of 155,000 gallons per year (gal/yr) of diesel fuel, based on a twelve month rolling total. This restriction includes diesel fuel fired in the diesel units as well as Boiler #5. Lovell has not requested any change to this fuel limit and will continue to be subject to this fuel limit.

Lovell's current air emission license established annual emission limits based on the worst case scenario of operations for the three diesel units. The current air emission license establishes NO<sub>x</sub> emissions from the three diesels combined of 34.0 tons/yr and 7.5 tons/yr from the boilers combined. Lovell's total NO<sub>x</sub> emissions of 41.5 tons/yr were above the threshold of applicability for Maine's rule *Emission Statements*, 06-096 CMR 137 (last amended July 6, 2004). Upon the removal of Diesel Units #1 and #3, Lovell's air emission license will reflect a decrease in potential annual emissions. Annual emissions of NO<sub>x</sub> will be 17.2 tons/yr from Diesel #2 and will remain 7.5 tons/yr from the boilers combined. Upon the removal of Diesels #1 and #3, annual NO<sub>x</sub> emission will be below the 06-096 CMR 137 applicability threshold and Lovell will no longer be subject to 06-096 CMR 137.

### B. Annual Emission Restrictions

Lovell shall continue to be restricted to the following annual emissions, based on a twelve-month rolling total:

- Lovell is restricted facility wide to firing no greater than 155,000 gal/yr of diesel fuel oil with a maximum sulfur content not to exceed 0.05% by weight.
- Lovell is restricted to firing no greater than 7,570 ton/yr of 50% moisture wood or equivalent in Boiler #4 based on a twelve-month rolling total.
- Lovell is restricted to drying no greater than 4.5 MMBF/yr of lumber based on a twelve-month rolling total.

Lovell Lumber Company  
Oxford County  
Lovell, Maine  
A-676-71-E-M

) Departmental  
) Findings of Fact and Order  
) Air Emission License  
3

**Total Allowable Annual Emission for the Facility**  
(used to calculate the annual license fee)

<b>Pollutant</b>	<b>Tons/Year</b>			
	Boilers	Diesels	Kiln	Total
PM	10.2	0.7	-	10.9
PM <sub>10</sub>	10.2	0.7	-	10.9
SO <sub>2</sub>	0.9	0.3	-	1.2
NO <sub>x</sub>	7.5	17.2	-	24.7
CO	20.5	4.6	-	25.1
VOC	1.3	0.5	5.1	6.9

### III. AMBIENT AIR QUALITY ANALYSIS

According to the Maine's rule *Major and Minor Source Air Emission License Regulations*, 06-096 CMR 115 (last amended December 24, 2005), the level of air quality analyses required for a minor source shall be determined on a case-by case basis. Based on the information available in the file, and the similarity to existing sources, Maine Ambient Air Quality Standards (MAAQS) will not be violated by this source. Based on the total facility emissions, Lovell is below the emissions level required for modeling and monitoring.

### ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-676-71-E-M subject to the conditions found in Air Emission License A-676-71-D-R and the following conditions:

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

Lovell Lumber Company  
Oxford County  
Lovell, Maine  
A-676-71-E-M

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)  
4

Departmental  
Findings of Fact and Order  
Air Emission License

### SPECIFIC CONDITIONS

The following condition shall replace Condition (19) in Air Emission License A-676-71-D-R:

(19) Diesel Unit #2

A. Emissions from Diesel Unit #2 shall not exceed the following:

Equipment		PM	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Diesel #2	lb/hr	0.4	0.4	0.06	5.4	1.2	0.4

[MEDEP Chapter 115, BPT]

B. Visible emissions from Diesel Unit #2 (Stack 1) shall not exceed 20% on a 6-minute block average, except for no more than two 6-minute block averages in a 3-hour period. [MEDEP Chapter 101]

The following condition shall replace Condition (24) in Air Emission License A-676-71-D-R:

(24) Annual Emission Statement

Upon signature of this Air Emission License amendment, Lovell shall no longer be subject to Maine's rule 06-096 CMR 137. Lovell will still be required to submit their annual emission report as required by 06-096 CMR 137 for 2008.

DONE AND DATED IN AUGUSTA, MAINE THIS 9<sup>th</sup> DAY OF October 2008.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: James P. Brooks for  
DAVID P. LITTELL, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

This Amendment shall expire concurrently with Air Emission License A-676-71-D-R.

Date of initial receipt of application: August 13, 2008

Date of application acceptance: August 20, 2008

Date filed with the Board of Environmental Protection:

This Order prepared by, Peter G. Carleton, Bureau of Air Quality

